

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/001391

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7 F04C 18/344**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7 F04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR, JP : IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 63-45486 A (NIPPON DENSO CO. LTD.) 26 FEBRUARY 1988 See the whole document	1, 2, 11, 18, 19
Y		3, 4, 20, 21
X	JP 1-208588 A (NIPPON DENSO CO. LTD., NIPPON SOKEN INC.) 22 AUGUST 1989 See the whole document	1, 2, 11, 18, 19
Y		3, 4, 20, 21
Y	JP 1-92597 A (NIPPON DENSO CO. LTD.) 11 APRIL 1989 See column 7, line 1 - column 10, line 17 Figure 1, 2, 7	1-24
A	KR 10-315954 B1 (LG Electronics Inc.) 12 DECEMBER 2001 See the whole document	1-24

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

21 SEPTEMBER 2004 (21.09.2004)

Date of mailing of the international search report

**22 SEPTEMBER 2004 (22.09.2004)**

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2004/001391

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 63-45486 A	26. 02. 1988	NONE	
JP 1-208588 A	22. 08. 1989	NONE	
JP 1-92597 A	11. 04. 1989	NONE	
KR 10-315954 B1	12. 12. 2001	NONE	